

The background is a mosaic-style landscape. It features a large, leafy tree in the upper right, a winding path or stream in the lower right, and a smaller stream or path on the left. The colors are vibrant, including greens, yellows, blues, and browns, all composed of small, overlapping circles.

WELCOME

Program Overview

5/23/23

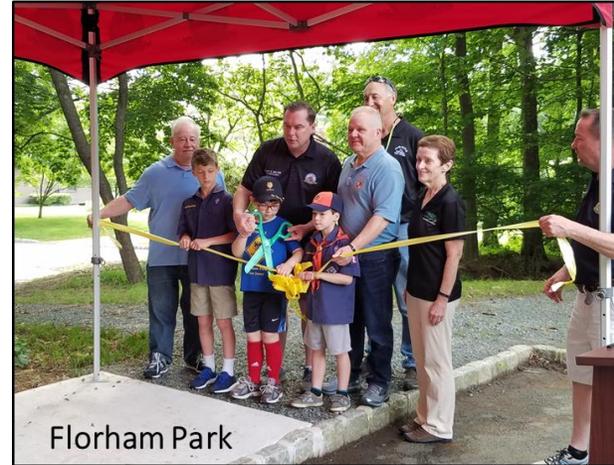
2023 MORRIS COUNTY TRAIL CONSTRUCTION GRANT PROGRAM

Program Overview



AGENDA

- Background of Program
- Eligibility
- General Requirements
- Basics Funding Categories
- Application Process
- Resources
- Evaluation Process
- Lessons Learned



Summary of Awards



YEAR	Number of Awards	Total Funds Awarded	Miles of Trail
2016	7 Grants Awarded	\$455,678.50	3.55
2017	5 Grants Awarded	\$514,915.20	3.32
2018	6 Grants Awarded	\$797,713.35	3.33
2019	6 Grants Awarded	\$827,412.73	2.76
2020	3 Grants Awarded	\$619,058.53	2.83
2021	10 Grants Awarded	\$926,498.00	6.20
2022	8 Grants Awarded	\$528,264.80	4.23
	45 Grants Awarded	\$4,669,541.11	26.22 miles

2023 MORRIS COU

Program Funding



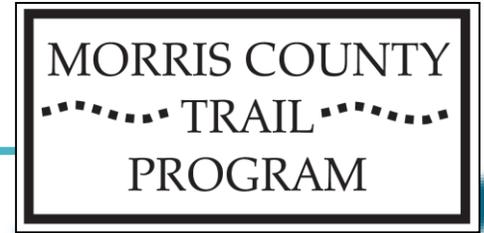
- **Source:** Preservation Trust Fund, via Voter Referendum, approved by 3:1, Nov. 4, 2014, dedicate portion of funding toward trail development
- **2023 Estimate:**
 - **\$1.5 Million (2022 taxes)**

Purpose



- To distribute grants for the **design** & **construction** of trails to provide recreational trail use opportunities which benefit the communities and enhance the quality of life for the residents of Morris County.

Structure



- **Collaboration:** Morris County Office of Planning & Preservation and Morris County Park Commission
- **Advisory Committee:** 9 Members including
 - 4 MCPC Recreational Trail Committee
 - 2 MC Office of Planning & Preservation and Division of Engineering Board or Committee
 - 3 At-Large from the Trail Community

2023 Schedule



- **Pre-Application Meetings:** May - July 7, 2023
- **Letter of Intent:** Friday June 30, 2023
- **Applications Due:** Friday July 28, 2023 (Full Application)
- **Application Review & Deliberations:** August – November 2023
- **Committee Recommendations:** November, 2023
- **County Commissioners Announce Awards:** December, 2023

Program Overview



ELIGIBILITY

- All Morris County Municipalities
- Applications Submitted by Municipality
- Projects Managed by a Municipal Representative

Program Overview



GENERAL REQUIREMENTS

- All trail projects must be constructed on permanently preserved public park land or private land with dedicated easements for recreational use
- 20% Match Required
- Program operates on a reimbursement basis only
- Applicants are limited to one application per year

Program Overview



GENERAL REQUIREMENTS

- Applicants must be in good standing with previous grants
- Project Point – Municipal Employee
- Applicants must convey project understanding
 - Scope of Work/Proposal
 - Construction Documents
- All Applicants Must Attend Pre-Application Meeting

Program Overview



PRE-APPLICATION MEETING

- Required for All Applicants
- Review Program & Application Requirements
- Provide Feedback on Proposed Project
- Guide on Best Submission
- Deadline to Schedule (July 7)
- Contact dchaplick@morrissparks.net or **973-326-7605**

Program Overview



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Q & A

Program Overview



FUNDING CATEGORY

Design & Permitting

Construction

- Minor (select criteria apply)
- Major (submit construction documents and permits)



Funding Category



DESIGN & PERMITTING

Proposal to Prepare Final Products

- Construction Documents
 1. Final Design Plans & Details
 2. Bid Specifications
 3. Engineering Estimate
 4. Permit Approvals (*pending with review verification*)

Funding Category



DESIGN & PERMITTING

Award Limits

- Minimum = \$5,000
- Maximum = 15% of Estimated Construction Costs

Schedule

- 2-Years to Complete Projects
- Interim Staff Reviews (30%, 60% & 90%)
- Consistent with Awarded Design & Best Practice

Funding Category

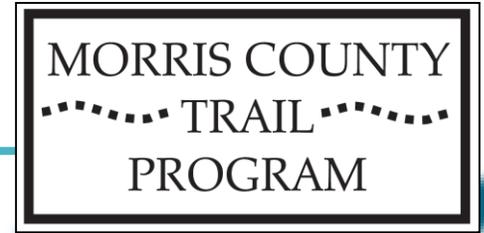


CONSTRUCTION MINOR & MAJOR

Final Products

- Completed Trail Facility
- Consistent with Awarded Design & Best Practice

Funding Category



CONSTRUCTION

MINOR

Criteria for Eligibility

1. Pre-Application
2. Costs \$70k & Under
3. Length is 1-mile or Less
4. Natural Surface
5. Slopes 8% or Under
6. Minimal Number of Major Features (walls, bridges, etc.)
7. Minimal or no Agency Reviews Required

Funding Category



CONSTRUCTION MINOR & MAJOR

Award Limits

- Min \$5,000
- Minor = Max of \$70,000
- Major = Max of 60% of funding available

Project Type



NEW CONSTRUCTION – motorized & non-motorized (various types)

TRAIL ENHANCEMENT – improvements to existing trails to accommodate increased volume and/or make ADA compliant.

New Construction



2023 MORRIS COUNTY TRAIL CONSTRUCTION GRANT PROGRAM

Trail Enhancement



- Trail Enhancement – improvements to existing trails to accommodate increased volume and/or make ADA compliant.
 - Improvement to Design (i.e. width)
 - Change in Surface (i.e. dirt to asphalt)
 - Deferred maintenance not eligible.
- Documentation Required
 - Existing Conditions Maps/Photos

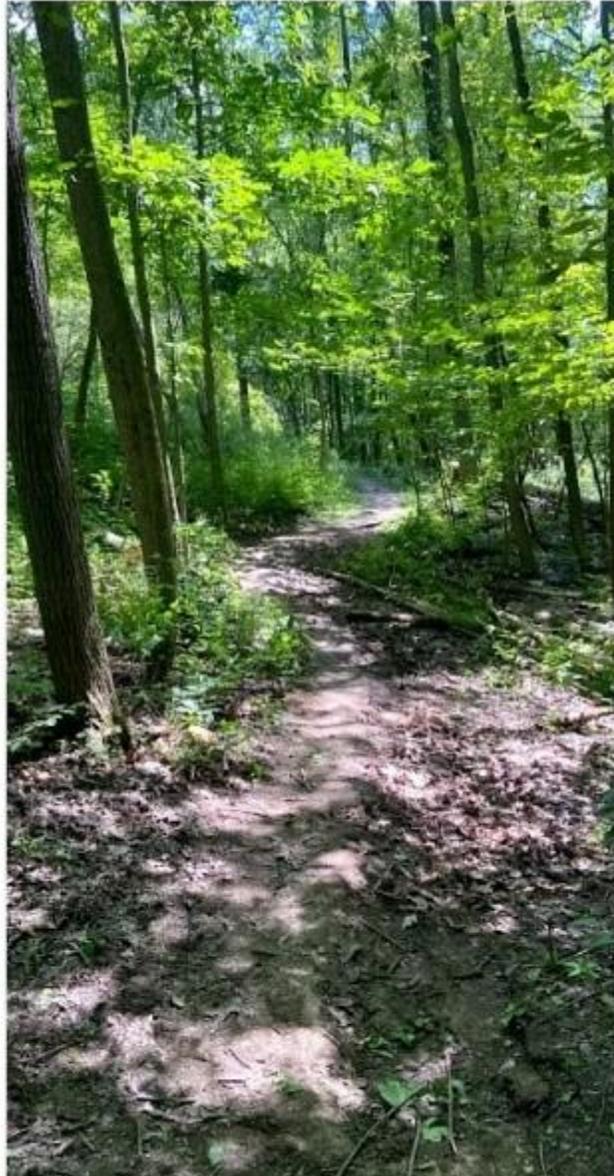
Trail Enhancement

MORRIS COUNTY
TRAIL
PROGRAM



2023 MORRIS COUNTY TRAIL CONSTRUCTION GRANT PROGRAM

Trail Enhancement



Program Overview



AGENDA

- Background of Program
- Eligibility
- General Requirements
- **Basics Funding Categories**
- Application Process
- Resources
- Evaluation Process
- Lessons Learned

Q & A

Application Process



- 1. LETTER OF INTENT (Friday June 30)**
- 2. APPLICATION (Friday July 29)**

Website:

[Trail Construction Grant Program – Morris County, NJ
\(morriscountynj.gov\)](http://morriscountynj.gov)

2023 TRAIL CONSTRUCTION GRANT PROGRAM

Letter of Intent

Please complete and submit the **Letter of Intent by Friday June 30, 2023 by 4:00 P.M.**

Provide all information requested in one comprehensive PDF document, including deeds. This should be submitted electronically via e-mail to morrstrailgrant@morrisparks.net.

1) PROJECT NAME: _____

2) FUNDING CATEGORY: (check one)

- Design & Permitting Application** (requires pre-application meeting) **Construction**
- Application-MINOR** (requires pre-approval and pre-application meeting) **Construction**
- Application-MAJOR** (requires pre-application meeting)

3) PROJECT CATEGORY:

- New Trail**
- Trail Enhancement**

The Trail Enhancement category is for projects that propose to improve design and/or surface type of existing trails to accommodate increased capacity and/or make the trail ADA compliant. The Trail Enhancement category is not intended to be an in-kind replacement of current conditions. Deferred maintenance activities are not eligible under this category.

4) APPLICANT INFORMATION:

Municipality: _____

Address: _____ City/State/Zip: _____

5) PROJECT CONTACT INFORMATION:

The project contact must be a municipal employee who will serve as the primary point of contact for the project. Volunteers and consultants are not eligible to serve as project contact.

Name & Title: _____

Phone: _____ Email: _____

6) PROPERTY OWNERSHIP VERIFICATION:

In order to be considered, each applicant shall verify ownership and/or authorization of use through legal agreement(s) such as deeds or easements of ALL properties the proposed project will be constructed.

All property must be permanently preserved public parkland (via deed restrictions), easements permanently dedicated for public parkland use.

Provide copies of deeds and/or agreements such as easements verifying ownership of property for each parcel. Provide a summary of all parcels in the chart provided including ownership information.

Please note if an easement is in the process of being acquired submit a letter from the property owner demonstrating their willingness to approve said easement to the applicant for the referenced project with this Letter of Intent submission.

REMINDER - The Trail Construction Grant Applications are due on July 28, 2023.

PROGRAM

2023 TRAIL CONSTRUCTION GRANT PROGRAM

Letter of Intent

PARCEL NO.	Type of Ownership		Block	Lot	Permanently Preserved Public Parkland	Name of Owner
	Fee Simple	Easement				
PARCEL NO. 1	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Yes <input type="checkbox"/> No	
PARCEL NO. 2	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Yes <input type="checkbox"/> No	
PARCEL NO. 3	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Yes <input type="checkbox"/> No	
PARCEL NO. 4	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Yes <input type="checkbox"/> No	
PARCEL NO. 5	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Yes <input type="checkbox"/> No	
PARCEL NO. 6	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Yes <input type="checkbox"/> No	

7) PROJECT MAP:

Provide a project map that shows the proposed trail location. Label all block and lot information for all of the parcels required to complete the project. Parcel information shall also be listed separately in the chart above.

8) ESTIMATED PROJECT COSTS:

CHOOSE ONE: Below, provide **ESTIMATED** project costs for either Design or Construction funding category you are applying for. Include matching funds and anticipated requested grant amount.

PHASE 1-DESIGN & PERMITTING	AMOUNT
TOTAL DESIGN FEE	\$ _____
MATCHING FUNDS (20% Min.)	- \$ _____
AMOUNT OF REQUESTED GRANT	\$ _____

Subtract matching funds from project total to calculate the requested grant amount

PHASE 2-CONSTRUCTION	AMOUNT
TOTAL CONSTRUCTION COSTS	\$ _____
MATCHING FUNDS (20% Min.)	- \$ _____
AMOUNT OF REQUESTED GRANT	\$ _____

Subtract matching funds from project total to calculate the requested grant amount

9) SIGNATURE:

Mayor's Signature (required)

Date

REMINDER: Applications are due on July 28, 2023 including the following:

- 1) Verification of all matching funds.
- 2) Completed application and supplemental materials.
- 3) Governing Body Resolution stating that the local municipality is in support of the project and will provide full funding in advance, given the grant will be reimbursed upon completion of the project.

REMINDER - The Trail Construction Grant Applications are due on July 28, 2023.

Application Process



DESIGN & PERMITTING or CONSTRUCTION

- Application (fillable form for submission)
- Instructions
- Checklist

Website:

[Trail Construction Grant Program – Morris County, NJ
\(morriscountynj.gov\)](http://morriscountynj.gov)

2023 MORRIS COUNTY TRAIL CONSTRUCTION GRANT PROGRAM

Application Process



DESIGN & PERMITTING

Reflects/Conveys

- Feasibility Assessment
- Project Needs
- Proposal reflects tasks necessary to prepare required end product - Construction Documents & Permitting

Final Products

- Construction Documents
 1. Final Design Plans
 2. Bid Specifications
 3. Engineering Estimate
 4. Permit Approvals

Application Process



CONSTRUCTION

Reflects/Conveys

- Construction Readiness
- Completed Construction Documents
- Permits (pending with verification of review)
- Sound Practice

Final Products

- Operational Trail Facility
- Maintain for 20-Years

CHECKLIST - 2023 DESIGN APPLICATION

DESIGN

1) APPLICANT INFORMATION & SIGNATURES

2) PROJECT CATEGORY & TYPE

3) PROJECT DESCRIPTION *Updated*

4) PROJECT MAPS & SITE PHOTOS

5) PROJECT FEASIBILITY *New*

6) DESIGN PROPOSAL, FEE & SCHEDULE *Updated*

7) PROJECT COSTS, MATCH & REQUESTED GRANT

8) PRELIMINARY CONSTRUCTION COST ESTIMATE

9) FUNDING STRATEGY *New*

10) TRAIL DESIGN INTENT

11) SUPPORT DOCUMENTATION

CHECKLIST - 2023 CONSTRUCTION APPLICATION

CONSTRUCTION

1) APPLICANT INFORMATION & SIGNATURES

2) PROJECT CATEGORY & TYPE

3) PROJECT DESCRIPTION *Updated*

4) PROJECT MAPS & SITE PHOTOS

5) PROJECT READINESS *New*

6) CONSTRUCTION DOCUMENTS

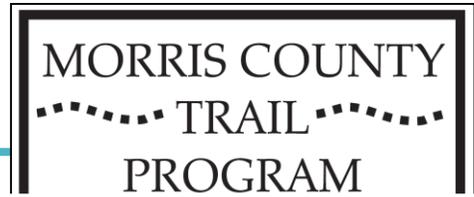
7) CONSTRUCTION COSTS, MATCH & REQUESTED GRANT

8) FUNDING STRATEGY *New*

9) TRAIL DESIGN INTENT

10) SUPPORT DOCUMENTATION

Application Process



PROJECT DESCRIPTION

- 1) APPLICANT INFORMATION & SIGNATURES
 - 2) PROJECT CATEGORY & TYPE
 - 3) PROJECT DESCRIPTION *Updated*
- REQUIRED INFORMATION**
- a) Description of project goals and objectives
 - b) Meets accessibility standards (Title II, PROWAG, ADA)
 - c) Provides access to major destinations such as significant natural, cultural or historic features
 - d) Accommodates multiple trail user types
 - e) Connects with existing trail network (local, regional, State and/or Federal)
 - f) Provides logical terminus
 - g) Consistent with short and long-term planning goals and municipal, County or State initiatives
 - h) Project is of regional significance
 - i) Demand (TRAIL ENHANCEMENT ONLY): increases capacity and/or ADA access



Exploring the Morris Canal Greenway

The route of the Morris Canal stretches for 30 miles across the heart of Morris County with many Greenway sites for you to visit. In addition, the map below includes a few nearby locations in Sussex and Warren Counties that shouldn't be missed. Many Morris County towns like Boonton, Rockaway and Wharton are also linked to the story of the canal as well as mining districts and iron mine railroads that reached up into hilly areas where the canal couldn't go. Each of these locations has something interesting to offer.

However, please remember that the greenway is a work in progress and many locations are not as ready for visitors as we would like them to be. In the meantime we have listed, in the box below, a few destinations we know you will enjoy. Boonton, Ledgewood and Wharton are drive-to destinations that are easy to find and have lots of great things to see. Waterloo Village, a restored canal town, can be a whole day activity with historic buildings, Canal Museum, Boat Exhibit and Canal Boat Rides provided by the Canal Society of New Jersey. For hikers looking for adventure there are trails, with Greenway stories to tell, that offer combinations of long and short walks.

Please visit our website for brochures, maps, walking tours and activities. You will also find links to Passaic and Warren County Greenway websites. Stay in touch as we add more locations to our "must-see" list.



Application Process

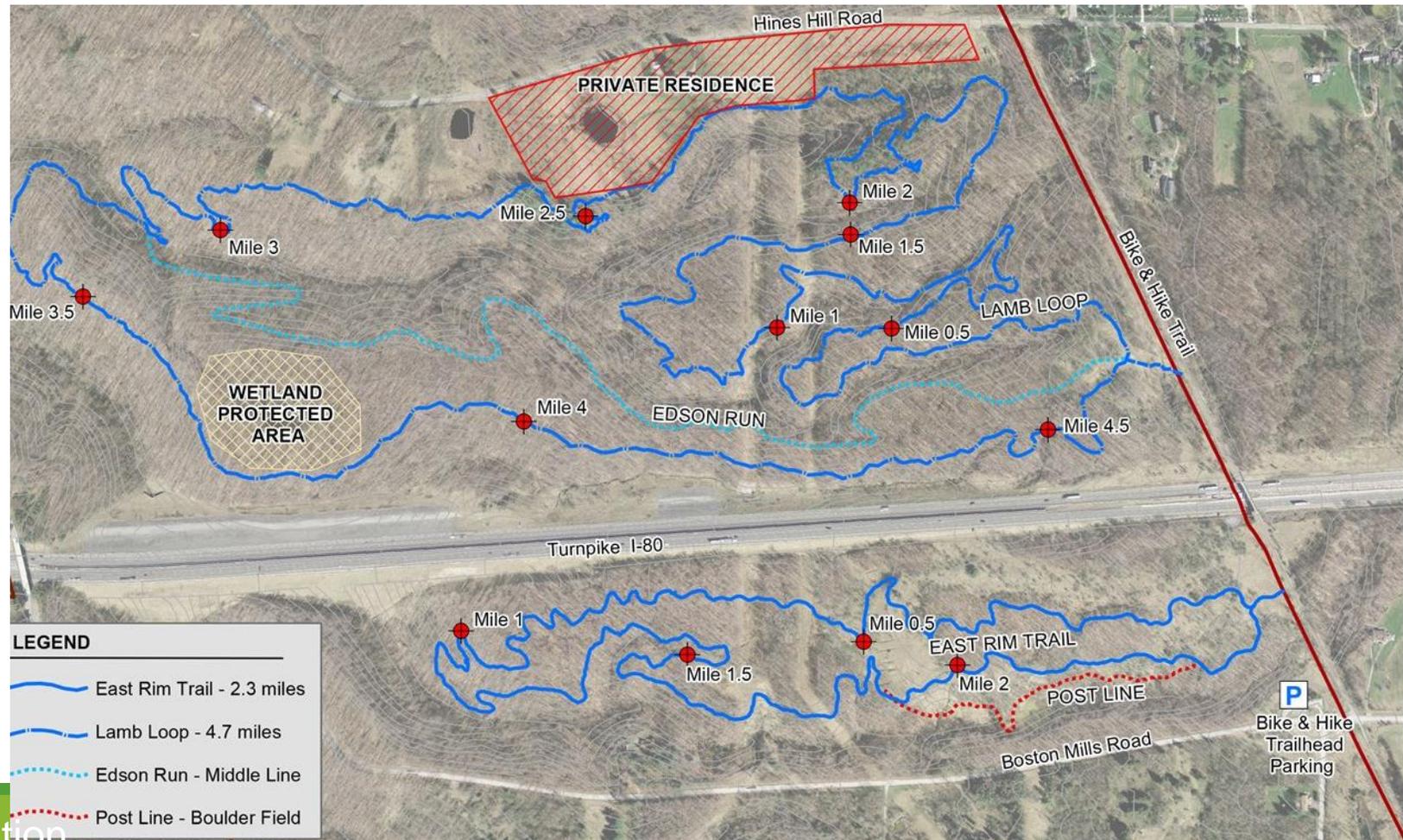
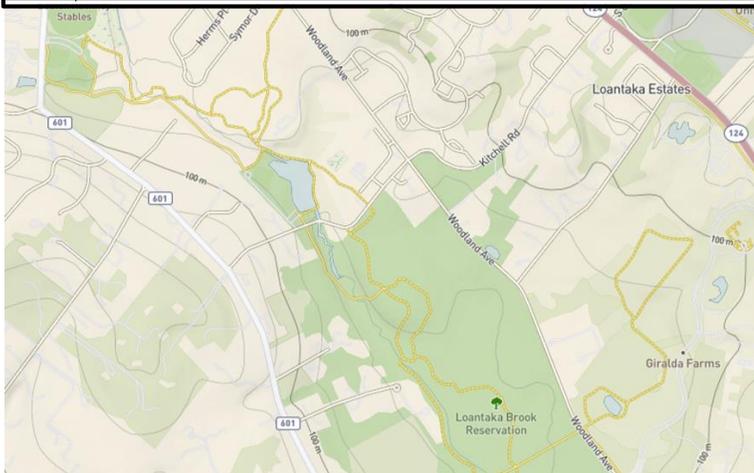


PROJECT MAPS & SITE PHOTOS

4) PROJECT MAPS & SITE PHOTOS

REQUIRED INFORMATION

- a) Project Location Map (in color)
- b) NJDEP GeoWeb Database Map using Bureau of GIS (nj.gov)
- c) National Wetlands Inventory (using Natl. Wetlands Inventory usgs.gov)
- d) Project Location Photos – min. 6 w/captions



Surrounding Context of Project Location

Application Process



PROJECT MAPS & SITE PHOTOS

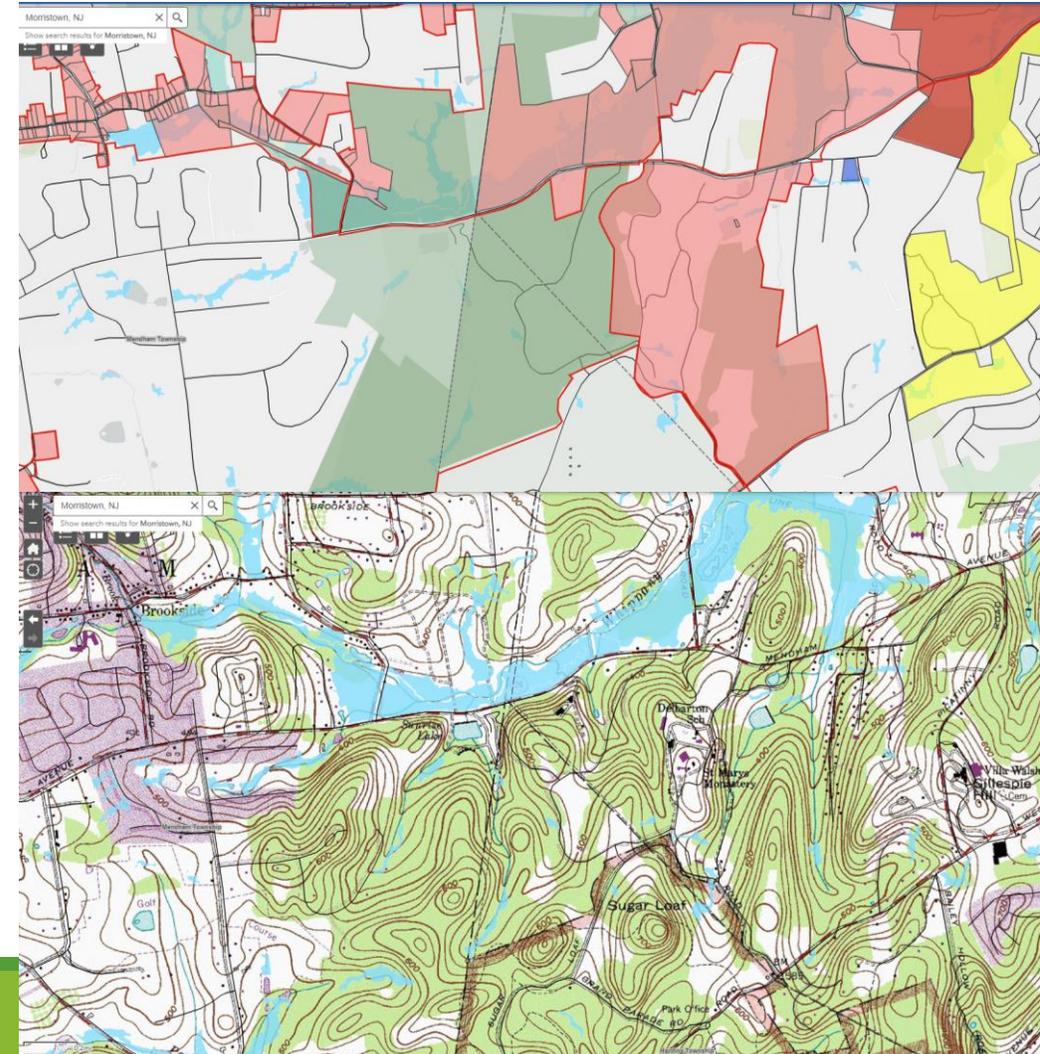
4) PROJECT MAPS & SITE PHOTOS

REQUIRED INFORMATION

- b) **NJDEP GeoWeb Database Map** – Using [Bureau of GIS \(nj.gov\)](http://Bureau of GIS (nj.gov)) as a resource, create a map of the project location and immediate surrounds. Include relevant data layers such as historic, environmental, natural and/or cultural resource that may impact the design and/or construction of the proposed trail project.
- c) **National Wetlands Inventory** – Using [National Wetlands Inventory \(usgs.gov\)](http://National Wetlands Inventory (usgs.gov)) as a resource, create a map of the project location and immediate surrounds to show designated wetland and riparian areas. Include the proposed trail on the map.
- d) **Project Location Photos** – Provide a minimum of 6 photos (with captions) highlighting existing features of the project location as described in Section 3. Include a key sheet noting specific location of each photo.

<https://www.nj.gov/dep/gis/geoweb splash.htm>

<https://tinyurl.com/5n84aap8>



Application Process



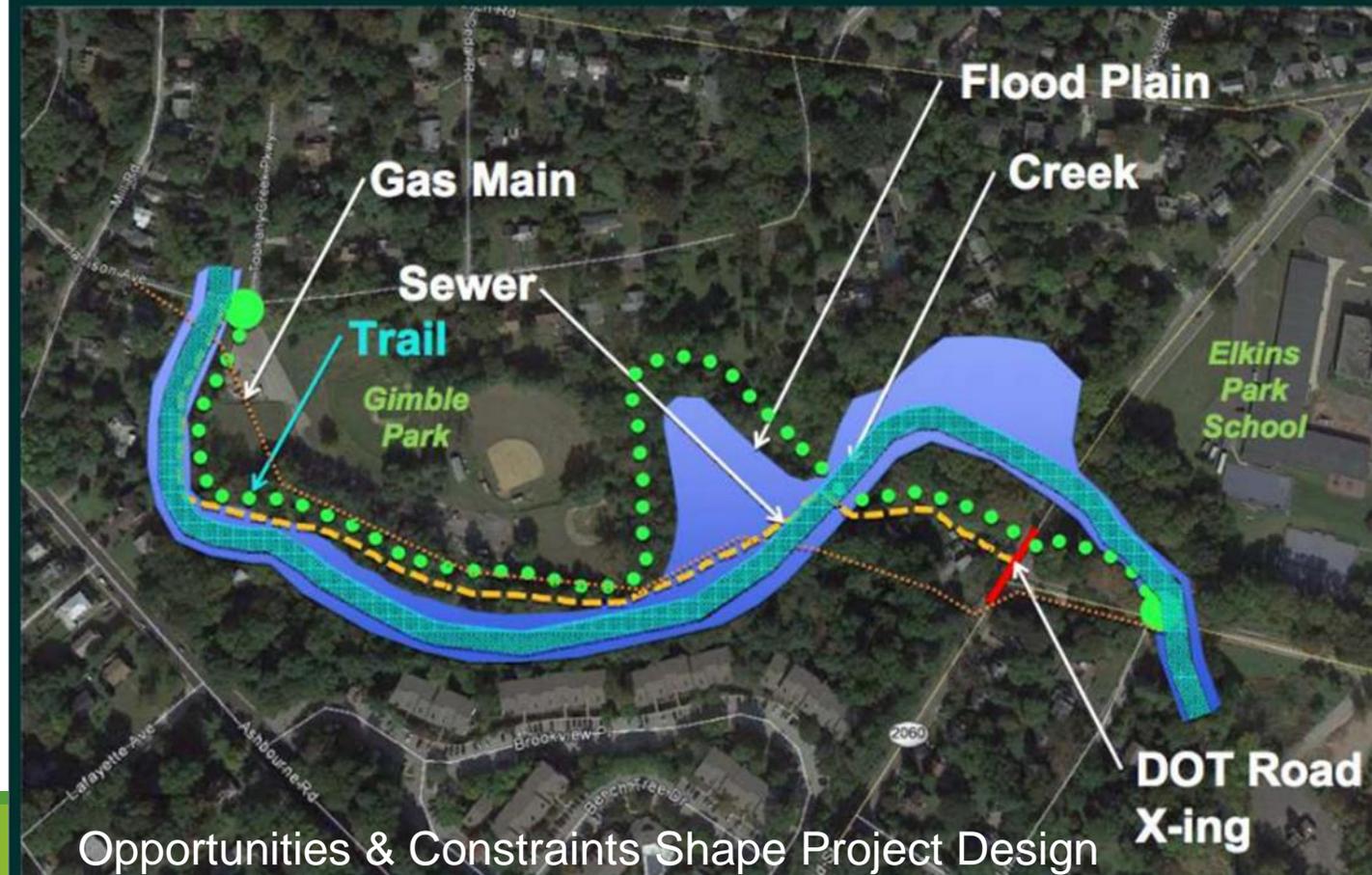
PROJECT FEASIBILITY

5) PROJECT FEASIBILITY *New*

REQUIRED INFORMATION

- a) Will project impact streams, rivers, lakes, etc?
 - i. If yes, is this an area regulated by NJDEP?
- b) Will project be built in area of slopes exceeding 12%?
 - i. If yes, identify areas of steep slopes (12% or above) within the project area.
- c) Are there additional existing environmental constraints located in the project area not listed above?
- d) What is the proposed square footage of the proposed trail?
- e) Separate from the trail, provide the estimated square feet of the proposed developed areas such as parking, trailheads, etc.
 - i. Does the combined total of items d & e (above) exceed ¼ acre?
 - ii. If yes, does the design proposal in Section 6 include a task for stormwater management?
 - iii. If no, explain generally how drainage will be handled.
- f) Identify all permits anticipated to complete the design of the proposed trail project.

Existing Conditions - Constraints



Application Process



PROJECT FEASIBILITY

5) PROJECT FEASIBILITY *New*

REQUIRED INFORMATION

- a) Will project impact streams, rivers, lakes, etc?
 - i. If yes, is this an area regulated by NJDEP?
- b) Will project be built in area of slopes exceeding 12%?
 - i. If yes, identify areas of steep slopes (12% or above) within the project area.
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 - iii. If no, explain generally how drainage will be handled.
- f) Identify all permits anticipated to complete the design of the proposed trail project.



Opportunities & Constraints Shape Project Design

Application Process



DESIGN PROPOSAL, FEE & SCHEDULE

6) DESIGN PROPOSAL, FEE & SCHEDULE

REQUIRED INFORMATION

a) Design Proposal	<i>Updated</i>
b) Design Fee	
c) Design Schedule	

Design Services

(min., as required)

- Survey
- Environmental Permitting
- Stormwater Management
- Structural
- Construction Documents
- Bid Specifications
- Final Engineers Cost Estimate

Application Process



DESIGN PROPOSAL, FEE & SCHEDULE

6) DESIGN PROPOSAL, FEE & SCHEDULE

REQUIRED INFORMATION

- | | |
|--------------------|----------------|
| a) Design Proposal | <i>Updated</i> |
| b) Design Fee | |
| c) Design Schedule | |

Design Fee

- Task & Hourly Breakdown
- Line Item & Lump Sum Not Accepted

Design Schedule

- 2-Years to Complete
- Extensions Available

Application Process

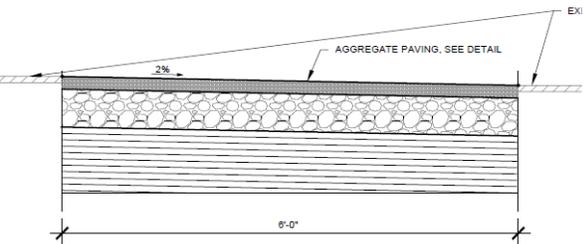
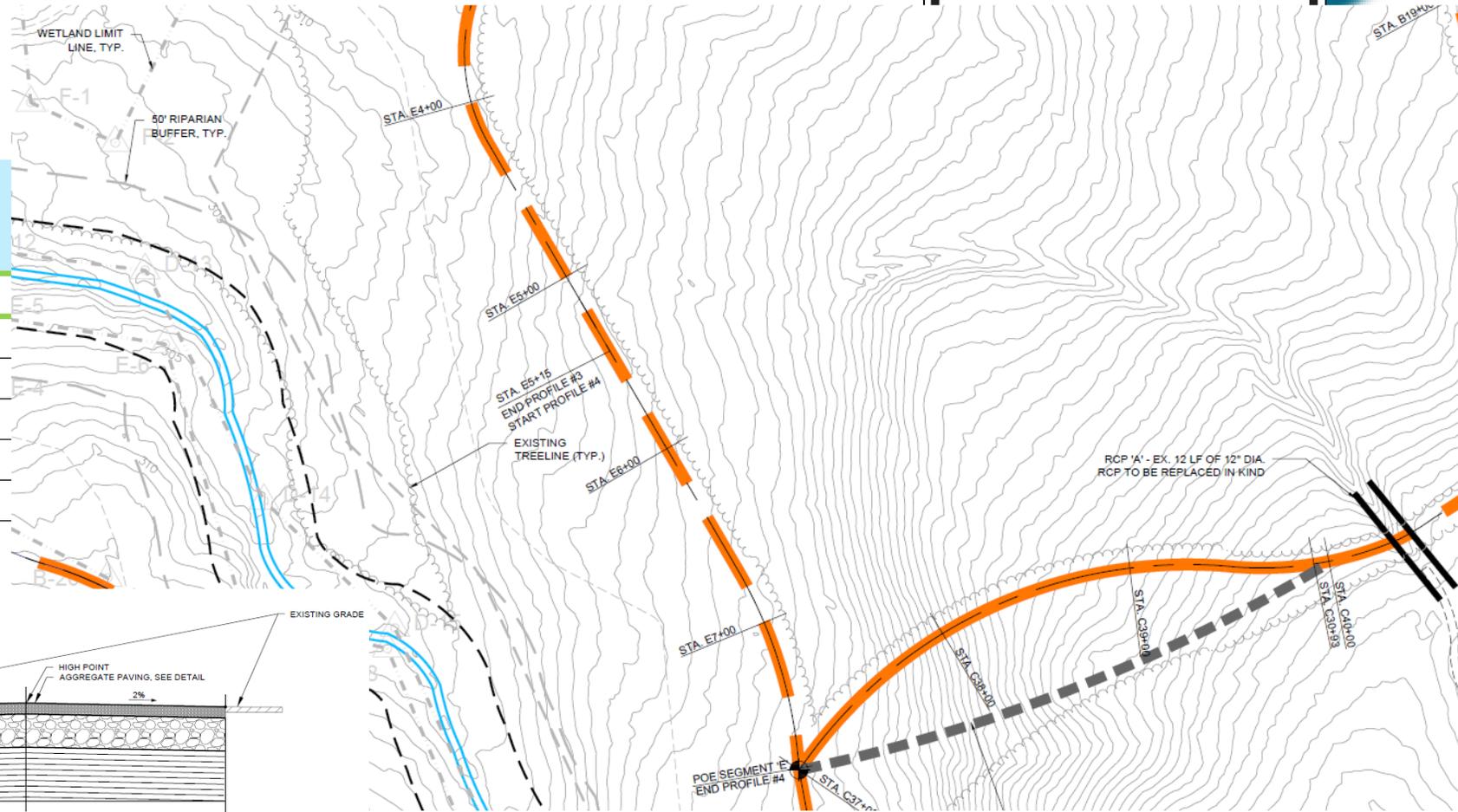


CONSTRUCTION DOCUMENTS

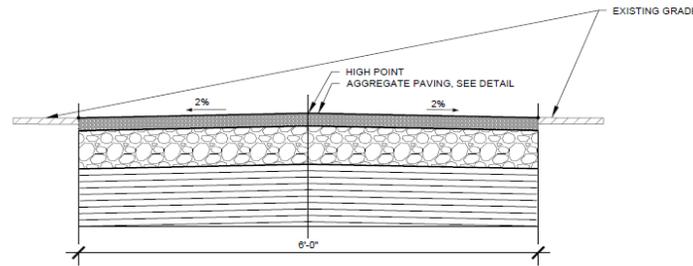
6) CONSTRUCTION DOCUMENTS

REQUIRED INFORMATION

- a) Final Design Plans
- b) Specifications
- c) Engineer's Construction Cost Estimate
- d) Permit Approvals
- e) Construction Schedule



4 6' AGGREGATE 2% CROSS SLOPE PROFILE



5 6' AGGREGATE 2% CROWN PROFILE

Application Process



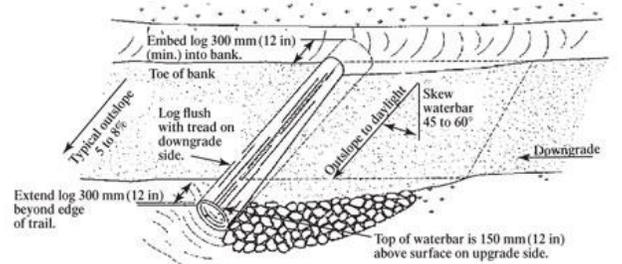
CONSTRUCTION DOCUMENTS

6) CONSTRUCTION DOCUMENTS

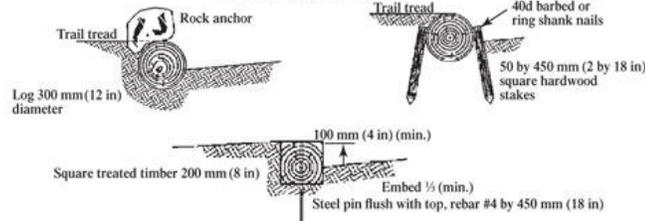
REQUIRED INFORMATION

- Final Design Plans
- Specifications
- Engineer's Construction Cost Estimate
- Permit Approvals
- Construction Schedule

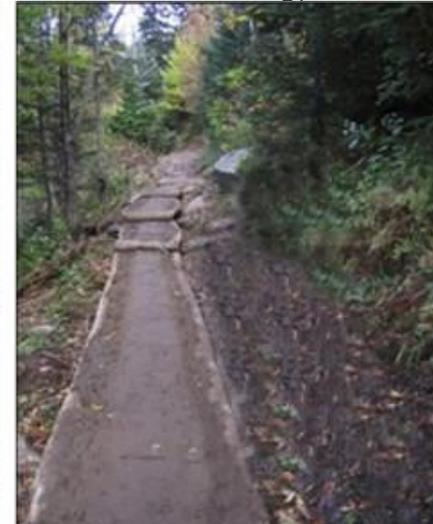
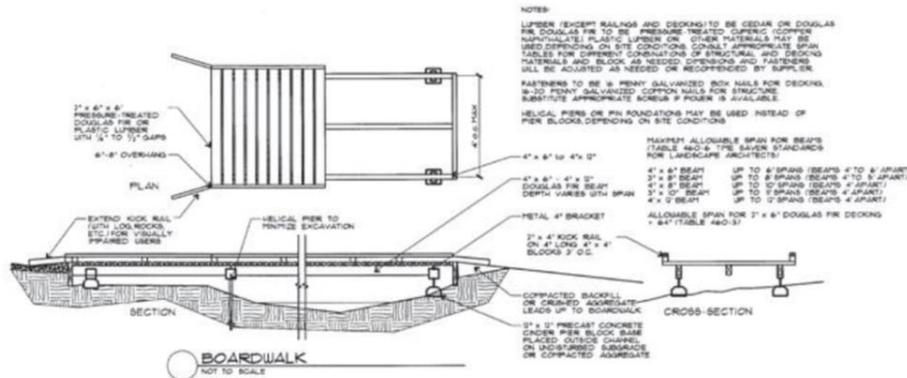
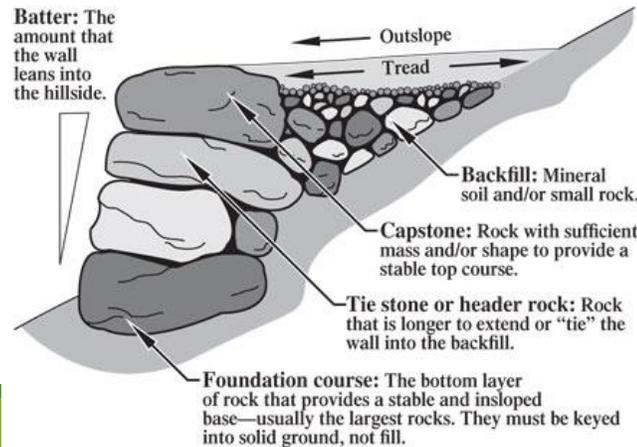
Log or Treated Timber Waterbar and Anchors



Anchoring Methods



Rock Retaining Wall Terminology



BEFORE

AFTER

Application Process



CONSTRUCTION DOCUMENTS

6) CONSTRUCTION DOCUMENTS

REQUIRED INFORMATION

- a) Final Design Plans
- b) Specifications
- c) Engineer's Construction Cost Estimate
- d) Permit Approvals
- e) Construction Schedule

NJDOT SPEC	ITEM #	DESCRIPTION	UNIT	QUANTITY
201	1	CLEARING SITE, SECTION "A"	L.S.	1
201	2	CLEARING SITE, SECTION "B" & "C"	L.S.	1
302	3	3" ROAD STONE INSTALLED (IF AND WHERE DIRECTED)	C.Y.	100
606	4	STEEL FOOTBRIDGE, 5' WIDE	UNIT	2
601	5	SHALLOW UNDERDRAIN, 6" DIAMETER, DOUBLE-WALL HDPE PIPE (INSTALLED IF AND WHERE DIRECTED DURING STONE WALKWAY EXCAVATION)	LF.	650
606	6	STONE WALKWAY, 5' WIDE - 6" DGA, 2" STONE DUST	S.Y.	1260
612	7	SIGN, GUIDE, FURNISHED AND INSTALLED ON SIGN POST	UNIT	6
612	8	SIGNS, TRAIL MARKERS, FURNISHED AND INSTALLED ON SIGN POST	UNIT	12
804	9	TOPSOILING, SCREENED TOPSOIL, 4" THICK (IF AND WHERE DIRECTED)	S.Y.	756
806	10	FERTILIZING & SEEDING (MEADOW AND/OR WILDFLOWER MIX) AND STRAW AND MULCH (IF AND WHERE DIRECTED)	S.Y.	756

Engineer's Cost Estimate
 at the Frelinghuysen Arboretum
 Contract No. 65-19
 Township, Morris County

Description	Unit Price	Total
Earthwork - fine grading (new & existing trail to be resurfaced per specs), per SY	\$ 32,000.00	\$ 32,000.00
...	\$ 1,000.00	\$ 2,000.00
...	\$ 1,000.00	\$ 1,000.00
...	\$ 10,000.00	\$ 10,000.00
...	\$ 1.00	\$ 8,500.00
...	\$ 4.00	\$ 4,600.00
...	\$ 10.00	\$ 70,000.00
...	\$ 40.00	\$ 20,000.00
...	\$ 20.00	\$ 15,000.00
...	\$ 12.00	\$ 56,400.00
11 4300 Earthwork - fine grading (new & existing trail to be resurfaced per specs), per SY	\$ 12.00	\$ 51,600.00
12 3000 Milling (2" depth), per SY	\$ 1.50	\$ 4,500.00
13 450 Full depth asphalt removal, per SY	\$ 12.00	\$ 5,400.00
14 245 Paving - hot mix asphalt I-5 (1.5" depth) per ton	\$ 200.00	\$ 49,000.00
15 37 Paving - hot mix asphalt I-5 (1.5" depth) per ton, if and where directed	\$ 180.00	\$ 6,660.00

Application Process



COSTS, MATCH & REQUESTED GRANT

7) PROJECT COSTS, MATCH & REQUESTED GRANT

REQUIRED INFORMATION

- a) Design Fee
- b) Matching Funds
- c) Requested Grant

Design Fee OR Construction Costs

- Section 6

Matching Funds

- Section 9

Requested Grant

- Equals Fee – Match
- Max Award – 15% of Est Construction Costs

Application Process



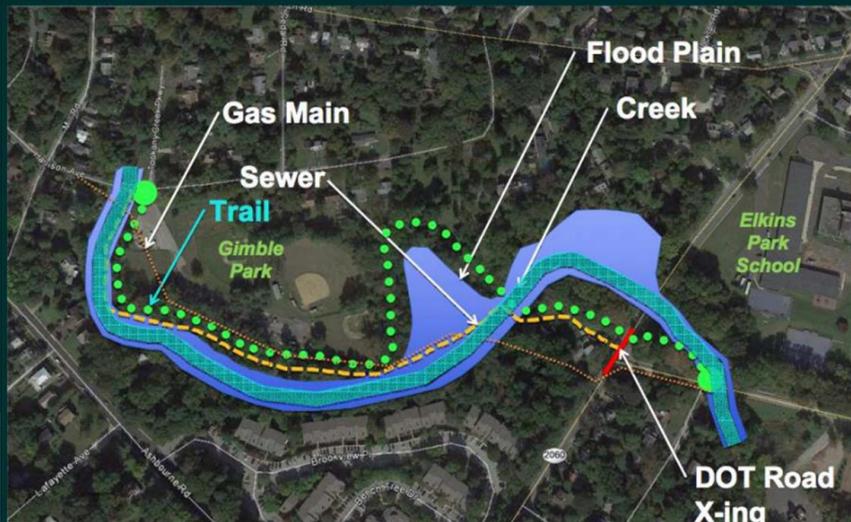
PRELIMINARY CONSTRUCTION COSTS ESTIMATES

8) PRELIMINARY CONSTRUCTION COST

REQUIRED INFORMATION

a) Preliminary Construction Cost Est

Existing Conditions - Constraints



Application Process



FUNDING STRATEGY

9) FUNDING STRATEGY

REQUIRED INFORMATION

a) Matching Funds (20% minimum)

- i. Cash
- ii. Other Grants
- iii. In-kind Contribution
- iv. Indirect Services

b) Long-Term Funding

- a) **Matching Funds (20% minimum)** – Provide a description of how a minimum of 20% matching funds will be achieved. Multiple sources may apply.
 - i. If using cash, describe what specific funding source will be used.
 - ii. If other grant resources are being used to fulfill the required match, applicants must provide the name of the grant and awarding agency, along with a copy of the award letter verifying the amount of award with this application.
 - iii. If using in-kind services to fulfill required match, applicants must provide detailed description of services to be provided, manpower allocated and breakdown of associated costs. An “Evidence of Resource Commitment” letter must also be submitted with this application authorizing staff time and resources to be dedicated, as requested in Section 11b.
 - iv. If using indirect costs to fulfill required match, applicants must include a copy of the approved agreement, where the municipality authorizes specific professional services to be performed for the project, including associated fees.
- b) **Long-Term Funding** – provide a brief description of the anticipated strategy to fund the construction costs of the project being submitted with this application.

Application Process



TRAIL DESIGN INTENT

10) TRAIL DESIGN INTENT

REQUIRED INFORMATION

- a) Trail Class
- b) Designated Use
- c) Surface Type
- d) Design Features

a. Trail Class - select all that apply and include length

	CLASS TYPE	DESCRIPTION	LENGTH (feet/mile)
<input type="checkbox"/>	Trail Class 1:	Minimally Developed	
<input type="checkbox"/>	Trail Class 2:	Moderately Developed	
<input type="checkbox"/>	Trail Class 3:	Developed	
<input type="checkbox"/>	Trail Class 4:	Highly Developed	
<input type="checkbox"/>	Trail Class 5:	Fully Developed	

b. Designated Use - select all that apply

NON-MOTORIZED		MOTORIZED	
<input type="checkbox"/>	Pedestrian/Hiker	<input type="checkbox"/>	Motorized (off-road use)
<input type="checkbox"/>	Biking/Mountain Biking	<input type="checkbox"/>	ATV (all-terrain vehicle or quad)
<input type="checkbox"/>	Equestrian	<input type="checkbox"/>	Off Highway Vehicle (OHV-jeeps, etc.)
<input type="checkbox"/>	Mixed Use		

c. Surface Type - select all that apply

IMPERVIOUS SURFACE		POROUS SURFACE	
TYPE	LENGTH (feet/mile)	TYPE	LENGTH (feet/mile)
Concrete		Wood Chips/Mulch	
Asphalt		Gravel/Stone Dust	
Boardwalk		Native Soil	
Other		Porous Pavement	

d. Design Features

FEATURE	
Trail Width (inches/feet)	
Target Grade (percent)	0.00%
Clearing Width (feet/inches)	
Shoulder Width (feet/inches)	



Application Process



TRAIL DESIGN INTENT



Trail Design Parameters

Hiker/Pedestrian (FSH 2309.18, Section 23.11, Exhibit 01)

Design Parameters are technical guidelines for the survey, design, construction, maintenance, and assessment of National Forest System trails, based on their Designed Use and Trail Class and consistent with their management intent.¹ Local deviations from any Design Parameter may be established based on trail-specific conditions, topography, or other factors, provided that the deviations are consistent with the general intent of the applicable Trail Class.

10) TRAIL DESIGN INTENT

REQUIRED INFORMATION

- a) Trail Class
- b) Designated Use
- c) Surface Type
- d) Design Features

Designed Use HIKER/PEDESTRIAN		Trail Class 1	Trail Class 2	Trail Class 3 ²	Trail Class 4 ²	Trail Class 5 ²
Design Tread Width	Wilderness (Single Lane)	0" – 12"	6" – 18"	12" – 24" Exception: may be 36" – 48" at steep side slopes	18" – 24" Exception: may be 36" – 48" at steep side slopes	Not applicable
	Non-Wilderness (Single Lane)	0" – 12"	6" – 18"	18" – 36"	24" – 60"	36" – 72"
	Non-Wilderness (Double Lane)	36"	36"	36" – 60"	48" – 72"	72" – 120"
	Structures (Minimum Width)	18"	18"	18"	36"	36"
Design Surface ³	Type	Native, ungraded May be continuously rough	Native, limited grading May be continuously rough	Native, with some onsite borrow or imported material where needed for stabilization and occasional grading Intermittently rough	Native with improved sections of borrow or imported material, and routine grading Minor roughness	Likely imported material, and routine grading Uniform, firm, and stable
	Protrusions	≤ 24" Likely common and continuous	≤ 6" May be common and continuous	≤ 3" May be common, not continuous	≤ 3" Uncommon, not continuous	No protrusions
	Obstacles (Maximum Height)	24"	14"	10"	8"	No obstacles
Design Grade ³	Target Grade	5% – 25%	5% – 18%	3% – 12%	2% – 10%	2% – 5%
	Short Pitch Maximum	40%	35%	25%	15%	5% FSTAG: 5% – 12% ²
	Maximum Pitch Density	20% – 40% of trail	20% – 30% of trail	10% – 20% of trail	5% – 20% of trail	0% – 5% of trail

Application Process



SUPPORT DOCUMENTATION

11) SUPPORT DOCUMENTATION

REQUIRED INFORMATION

- a) Governing Body Resolution
- b) Evidence of Resource Commitment
- c) Agency Authorization

a) **Governing Body Resolution** – Provide a Governing Body Resolution supporting the advancement of the design for the proposed trail project and approval to apply to the Morris County Trail Construction Grant. The Resolution shall include an acknowledgement that the municipality is responsible to provide advanced funding of the entire project, and that the grant will be distributed as a reimbursement upon the satisfactory completion of construction documents. [Microsoft Word - Sample Resolution.docx \(morriscountynj.gov\)](#)

b) **Evidence of Resource Commitment** – If applicable, provide an “Evidence of Resource Commitment” letter endorsed by an official agent for all groups, agencies, and entities providing in-kind services to complete the project. The letter shall outline what specific services will be provided along with estimated costs associated with these services. This shall be consistent with the information outlined in Section 4 of this application.

This includes letters from managers of internal divisions expected to complete work on the project such as engineers, DPW and/or maintenance crews, etc.

c) **Agency Authorization** – If applicable, provide a letter from the agency of ownership confirming approval to allow the proposed trail to cross a public road/public right-of-way.

Application

DESIGN & PERMITTING or CONSTRUCTION

- Application (submit)
- Instructions
- Checklist

Website:

[Trail Construction Grant Program –
Morris County, NJ \(morriscountynj.gov\)](https://www.morriscountynj.gov)

2023 MORRIS COUNTY TRAIL CONSTRUCTION GRANT

CHECKLIST - 2023 DESIGN APPLICATION

PROJECT NAME: _____

NAME OF PREPARER: _____

DATE: _____

1) APPLICANT INFORMATION & SIGNATURES

REQUIRED INFORMATION	COMPLETE	COMMENT
a) Name of Project	YES	
b) Municipal Contact Info. & Signature	YES	
c) Project Designer Contact Info. & Signature	YES	
d) Mayor's Contact Info. & Signature	YES	

2) PROJECT TYPE

REQUIRED INFORMATION	COMPLETE	COMMENT
2.1) Major Construction	YES	
a) New Construction – design new trail facility	YES	
b) Trail Enhancement – improve existing trail, increase capacity and/or access	YES	

3) PROJECT DESCRIPTION

REQUIRED INFORMATION	COMPLETE	COMMENT
a) Description of project goals and objectives	YES	
b) Meets accessibility standards (Title II, PROWAG, ADA)	YES	
c) Provides access to major destinations such as significant natural, cultural or historic features	YES	
d) Accommodates multiple trail user types	YES	
e) Connects with existing trail network (local, regional, State and/or Federal)	YES	
f) Provides logical terminus	YES	
g) Consistent with short and long-term planning goals and municipal, County or State initiatives	YES	
h) Project is of regional significance	YES	
i) Demand (TRAIL ENHANCEMENT ONLY): increases capacity and/or ADA access	YES	

Resources

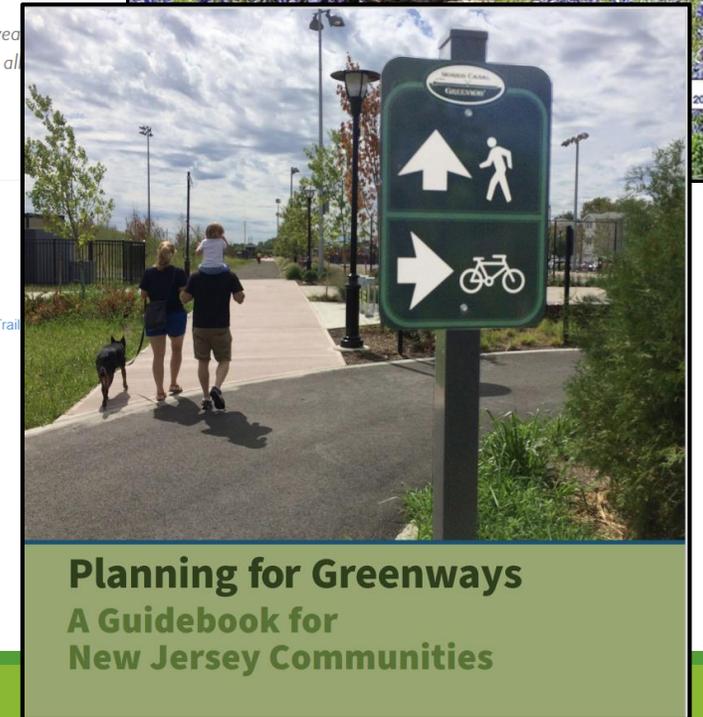
PROGRAM RESOURCES

- Best Practices
- Means & Methods
- Education

Website:

[Trail Construction Grant Program – Morris County, NJ \(morriscountynj.gov\)](http://morriscountynj.gov)

2023 MORRIS COUNTY TRAIL CONSTRUCTION GRANT PROGRAM



Program Overview



AGENDA

- Background of Program
- Eligibility
- General Requirements
- Basics Funding Categories
- **Application Process**
- **Resources**
- Evaluation Process
- Lessons Learned

Q & A

Evaluation Process



Confirm Eligibility

- Meets basic requirements

Post-Application Submission Meeting

- Staff discretion
- Verify project approach and detail
- May require additional revisions to application and design

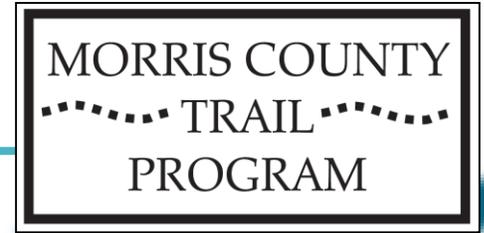
Evaluation Process



Trail Program Advisory Committee Review

- Evaluation Criteria (Guidelines)
- Project Readiness & Understanding
- Questions & Answer (E-mail)
- Deliberations
- Recommendations to County Commissioners

Lessons Learned



Don't Rush Application

- Complete Feasibility Assessment
- Understand Needs & Costs
- Meet with NJDEP
- More than a Desktop Exercise
- Ask for What Your Project Needs

Lessons Learned



Don't Rush Application

- Design it Right the First Time
- Find Out Who the Users Are
- No Additional Funds Awarded
- 20-Year Requirement for Maintenance
- Ask for What Your Project Needs

Application Process



- 1. LETTER OF INTENT (Friday June 30)**
- 2. APPLICATION (Friday July 29)**

Website:

[Trail Construction Grant Program – Morris County, NJ
\(morriscountynj.gov\)](http://morriscountynj.gov)

Program Overview



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THANK YOU

Program Overview

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2023 MORRIS COUNTY TRAIL CONSTRUCTION GRANT PROGRAM